

IPO CHART

Program name:	Quadratic Equations Mastery	
INPUT	PROCESS	OUTPUT
Hint: What will the user input?	Hint: What is the program going to do with the input information?	Hint: What will the screen display after user input?
<ul style="list-style-type: none"> - User inputs the values of a, b , and c. 	<ul style="list-style-type: none"> - Program displays introduction message. - Program prompts user for the values of a, b, and c to calculate the roots of the quadratic equation. - Program calculates the discriminant, and sees if the $D < 0$, $D > 0$, or $D = 0$. - Using if statement, two real roots are calculated if the $D > 0$ - One real root is calculated if the $D = 0$. - Two imaginary number roots are calculated if the $D < 0$. 	<ul style="list-style-type: none"> - two real roots are displayed if the $D > 0$ - One real root is displayed if the $D = 0$. - Two imaginary number roots are displayed if the $D < 0$.